

1.1.1. Area of Circle12:58

Write a Python program that calculates the area of a circle when the radius is provided by the user. Use  $\pi = 3.14$  and display the area.

Input Format:

- A single line containing a floating-point number representing the radius.

Output Format:

- Print the computed area of the circle formatted to 4 decimal places.

Sample Test Cases

circlearea...

1 r=float(input())  
2 a = 3.14 \* r \* r  
3 print(f"{a:.4f}")

Submit

TerminalTest cases

## Algorithm To Calculate Area of a Circle

**Step 1:** Start the program

**Step 2:** Declare variables  $r$ ,  $area$

**Step 3:** Assign the constant value  $\pi = 3.14$

**Step 4:** Read the radius  $r$  from the user

**Step 5:** Calculate the area using the formula

$$area = \pi \times r \times r$$

**Step 6:** Display the calculated area

**Step 7:** Stop the program

